

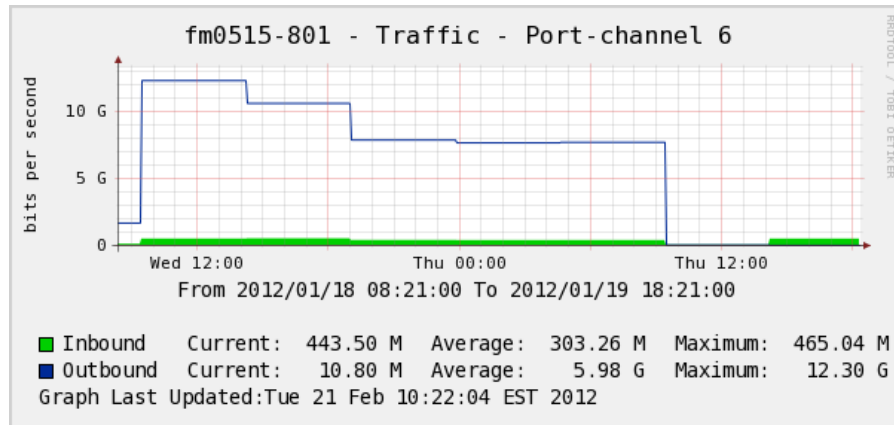
RCF Status

- RCF upgrades in December 2011 in preparation of Run12
 - Added 20 LTO-5 Tape Drives (~100 MB/s per Drive/1.5TB per cartridge) to existing tape libraries
 - Wanted to double STAR CH/RCF network B/W (10 => 20 Gbps)
 - During Run11 link utilization reached >90% at times
 - Existing Fiber Infrastructure indicated more than needed Fibers in the ground
 - A lot of effort was spent by ITD Networking during Summer & Fall to make these fibers work
 - In the end all existing fibers had to be declared useless
 - RCF/ITD/Facility Management in the process of setting up a project to pull new Fibers to PHENIX and STAR CHs (72 fibers each)
 - Target date for completion: ~September 2012
 - HPSS cache size and b/w upgraded to 50TB/600 MB/s sustained
 - Improves RCF's ability to buffer peak rates >1GB/s from CH
 - Upgraded HPSS Mass Storage System Software
 - Previous version stable but no longer supported, new features
 - Managing an inventory of 110 million files

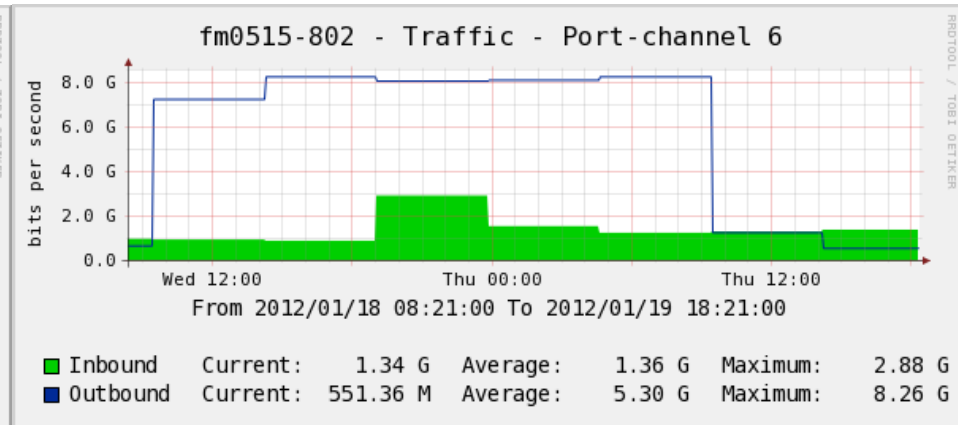
Mock Data Challenge (MDC)

- Ran MDC in mid January
 - Simultaneous Transfers from PHENIX and STAR CHs, both sending data at max rate

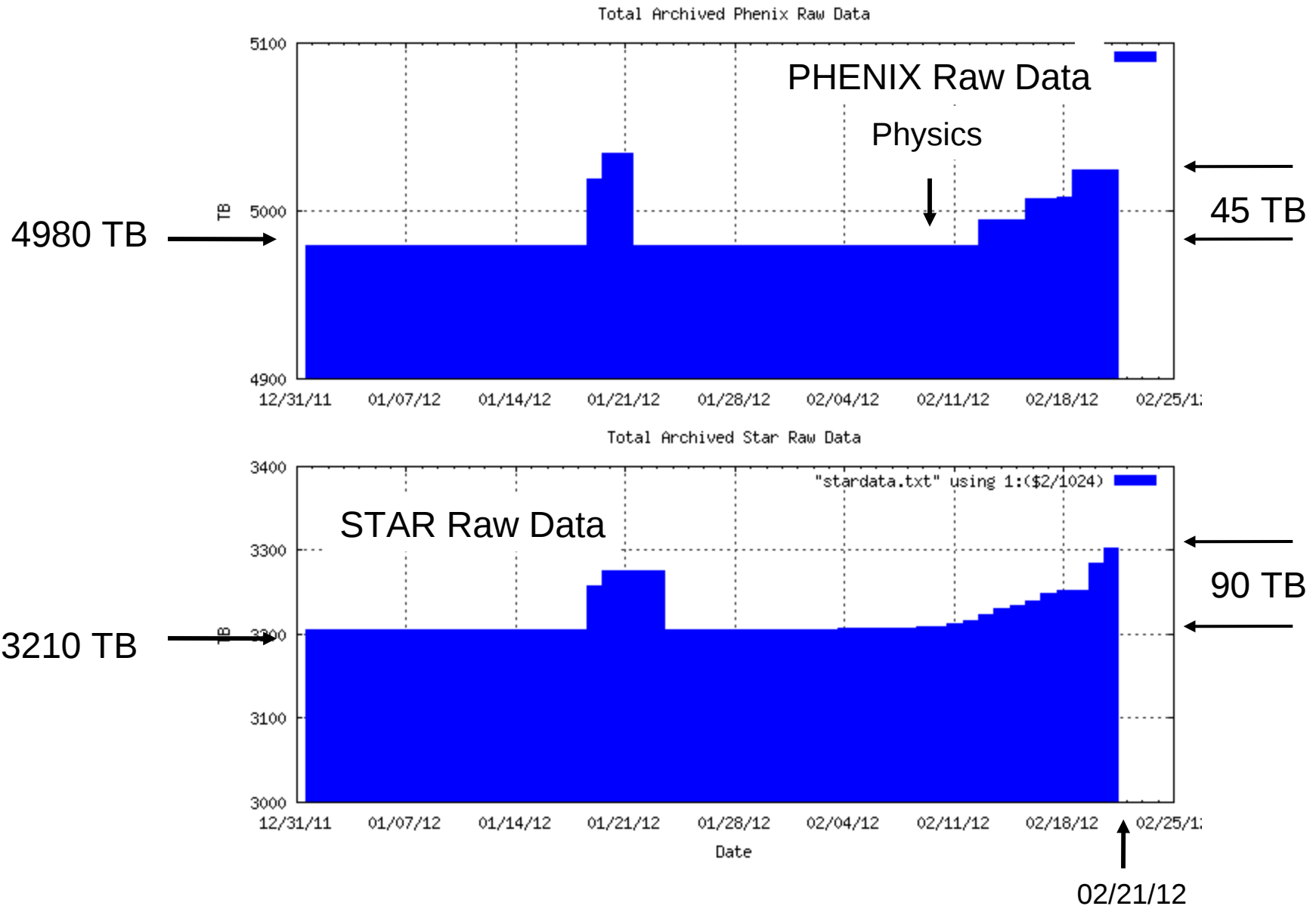
PHENIX



STAR

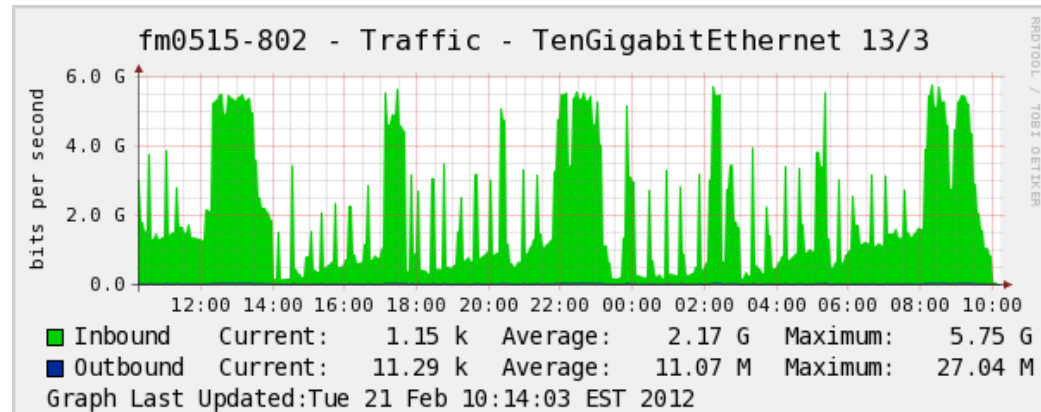


Raw Data Volume collected & archived

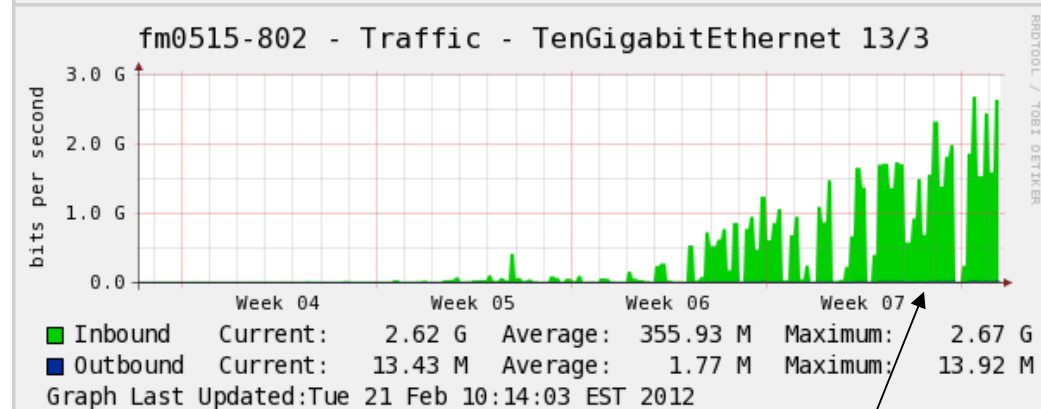


Transfer Rate STAR CH => RCF

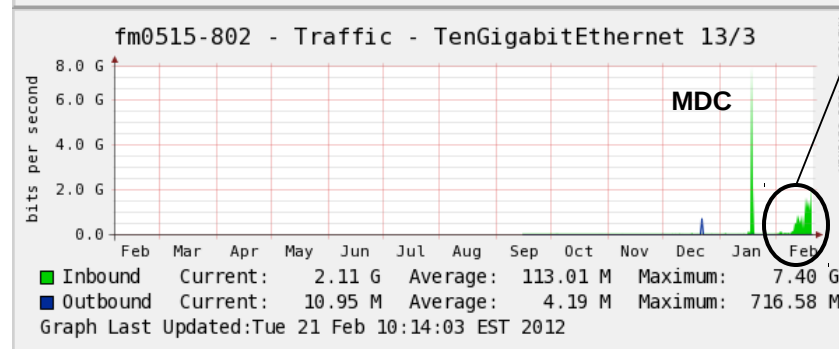
Last 24 hours



Since start of Run12



MDC vs. Data Taking



Transfer Rate PHENIX CH => RCF

